

## Sequence Listing

(1) Name of Applicant: Chugai Research Institute for Molecular Medicine, Inc.

(2) Title of the Invention: NOVEL MEMBRANE-SECRETED PROTEIN

(3) Reference Number: C1-806PCT

5 (4) Application Number:

(5) Filing Date:

(6) Country where the priority application was filed and the application number of the application: Japan, No. Hei 9-099653

(7) Priority date: April 1, 1997

10 (8) Number of Sequences: 12

SEQ ID NO: 1:

SEQUENCE LENGTH: 176

TOPOLOGY: liner

15 MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

	Met	Val	Thr	Phe	Ser	His	Val	Ser	Ser	Leu	Ser	His
		-28			-25				-20			
	Trp	Phe	Leu	Leu	Leu	Leu	Leu	Asn	Leu	Phe	Leu	Pro
		-15			-10				-5			
20	Ala	Met	Pro	Glu	Ser	Tyr	Ser	Phe	Asn	Cys	Pro	Asp
	1			5					10			15
	Ser	Asn	Asp	Val	Cys	Cys	Lys	Thr	Cys	Pro	Ser	Gly
		20					25				30	
25	Ala	Pro	Cys	Lys	Ile	Pro	His	Thr	Gln	Gly	Gln	Cys
		35					40				45	
	Pro	Gly	Thr	Phe	Thr	Gly	Lys	Asp	Asn	Gly	Leu	His
		50					55				60	
	Cys	Ser	Thr	Cys	Asp	Lys	Asp	Gln	Asn	Met	Val	Ala
30	65			70					75			80
	Thr	Ser	Asp	Arg	Lys	Cys	Glu	Cys	Gln	Ile	Gly	Leu
			85						90			95
	Pro	Lys	Phe	Pro	Glu	Ser	Cys	Arg	Pro	Cys	Thr	Lys

	100	105	110
	Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser		
	115	120	125
	Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile		
5	130	135	140
	Val Phe Cys Ile		
	145		

SEQ ID NO: 2:

10 SEQUENCE LENGTH: 148

TOPOLOGY: liner

MOLECULE TYPE: protein

SEQUENCE DENCRIPTION: SEQ ID NO: 2:

15	Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln
	1 5 10 15
	Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys
	20 25 30
	Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His
	35 40 45
20	Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu
	50 55 60
	Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala
	65 70 75 80
	Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp
25	85 90 95
	Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly
	100 105 110
	Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser
	115 120 125
30	Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile
	130 135 140
	Val Phe Cys Ile
	145

35 SEQ ID NO: 3:

SEQUENCE LENGTH: 1509

STRANDEDNESS: double  
 TOPOLOGY: liner  
 MOLECULE TYPE: cDNA to mRNA

5 FEATURE:

NAME/KEY: CDS  
 LOCATION: 12..542  
 IDENTIFICATION: E

10 NAME/KEY: sig peptide  
 LOCATION: 12..95  
 IDENTIFICATION: S

15 NAME/KEY: mat peptide  
 LOCATION: 96..542  
 IDENTIFICATION: S

SEQUENCE DENCRIPTION: SEQ ID NO: 3:

	AGCTCACAGC C ATG GTT ACC TTC AGC CAC GTC TCC AGT CTG AGT CAC	47
20	Met Val Thr Phe Ser His Val Ser Ser Leu Ser His	
	-28 -25 -20	
	TGG TTC CTC TTG CTG CTG CTG CTG AAT CTG TTC TTG CCG GTA ATA TTT	95
	Trp Phe Leu Leu Leu Leu Leu Leu Asn Leu Phe Leu Pro Val Ile Phe	
	-15 -10 -5	
25	GCT ATG CCT GAA TCA TAC TCC TTC AAC TGT CCC GAT GGT GAA TAC CAG	143
	Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln	
	1 5 10 15	
	TCT AAT GAT GTC TGT TGC AAG ACC TGT CCC TCA GGT ACA TTT GTC AAG	191
	Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys	
30	20 25 30	
	GCG CCC TGC AAA ATC CCC CAT ACT CAA GGA CAA TGT GAG AAG TGT CAC	239
	Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His	
	35 40 45	
	CCA GGA ACA TTC ACA GGG AAA GAT AAT GGC CTG CAT GAT TGT GAA CTT	287
35	Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu	
	50 55 60	

	TGC TCC ACC TGT GAT AAA GAC CAG AAT ATG GTG GCT GAC TGT TCT GCC	335
	Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala	
	65 70 75 80	
	ACC AGT GAC CGG AAA TGC GAG TGC CAA ATA GGT CTT TAC TAC TAT GAC	383
5	Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp	
	85 90 95	
	CCA AAA TTT CCG GAA TCA TGC CGC CCA TGT ACC AAG TGT CCC CAA GGA	431
	Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly	
	100 105 110	
10	ATC CCT GTC CTC CAG GAA TGC AAC TCC ACA GCT AAC ACT GTG TGC AGT	479
	Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser	
	115 120 125	
	TCA TCT GTT TCA AAT CCC AGA AAC TGG CTG TTC CTA CTG ATG CTA ATT	527
	Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile	
15	130 135 140	
	GTC TTC TGT ATC TGAAGAAGAT AAAGGTTCTA CAGATGGTGT CTGTAGCTTC	579
	Val Phe Cys Ile	
	145	
	CTTTTATTGC TGTGAAGAGA AACCATGGAG GCAACTCTTT CATTTTATTT TATTTTAA	639
20	TGTCTTGAAC TTGATTGAA GACCAGGCTG GACTCAAAC CACAGAGATC CGGACTAGGC	699
	ACCTCTAATA TAGGAAAACA TTGAATTGGG ACTGGCTTAC AGTTTCAGAA GTTCTGTCCA	759
	TGATTATCAT AGTGCGAAGC ATGGAGGCAC GGAGGCACAC ATGGTGCTGG AGAAGAAGCT	819
	GAGAGTTCTG CATCTTGATC TGCAAGCAAT AAAAGGAGAC TGTGTGCCAC ACTACACATA	879
	GCTTGAACAT AGGAGACCTC AAAGCCTGTC CCCACAGTGA CAAACTTCCT CCAACAAGGT	939
25	CATACCTCCT AATAATACCA TTTCTTATGA GGCAAGCATT CAAACACATG AGTCTATGAG	999
	GGCCAAACCA ATTCAAACCA CCACAGGTTA ACAATTGCCC TCTGCAGCTC TCTGGTGGAG	1059
	GCCCTCCTTG AGAGTAAGTA ACAATTTAGA TGAAGGCAAG TCCTGGTATC AGGTCCAAA	1119
	GAAACTCAGG ATGAATGGTC CACTGTGGTT CCTATTAACA TACTGAAGAA CATGACCTCA	1179
	CCTTAGACTT CTCCACCTCA CTGGCTTCCC TTCCCCTAGC TTCTCATTC CAGGTAACCC	1239
30	TGCCATTTTT TGGTAATGTG CCTTCTTGGT TCTTCCTCTC CTTTCCCCCT CTCTTCTGGT	1299
	CCTTATTTCT CTTCTCTCC CACTCTCCAC CAGCCGCCTC TTAAGGCCTG AGTCAGTCTG	1359
	CAGGCCATGT TTAATCTACT ACTTTCTCTC TGCTCTGGAC TCATCCAGAT GTCTCTGGCT	1419
	GAGCTCTCCC TCCTATCTAC AATAAACCT TCCCCCTAAC CAGAAATGGA ACAGTTTGT	1479
	CCTCACTTTG TACATCTGGT GCCTGAAACC	1509

35

SEQ ID NO: 4:

SEQUENCE LENGTH: 43  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 5 SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
 GCGGCCGCGA ATTCTGACTA ACTGACGGGG GGGGGGGGGG GGG 43

SEQ ID NO: 5:  
 SEQUENCE LENGTH: 26  
 10 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 CCGCGAGCTC GATATCAAGC TTGTAC 26

15 SEQ ID NO: 6:  
 SEQUENCE LENGTH: 29  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 20 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
 GGCGCTCGAG CTATAGTTCG AACATGGAG 29

25 SEQ ID NO: 7:  
 SEQUENCE LENGTH: 29  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA  
 SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
 30 GAGGTACAAG CTTGATATCG AGCTCGCGG 29

35 SEQ ID NO: 8:  
 SEQUENCE LENGTH: 23  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 8:

GCCGCGAATT CTGACTAACT GAC

23

SEQ ID NO: 9:

5 SEQUENCE LENGTH: 24

STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 9:

10 GGATCCTTCA ACTGTCCCGA TGGT

24

SEQ ID NO: 10:

SEQUENCE LENGTH: 26

STRANDEDNESS: single

15 TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 10:

GAATTCCACA CAGTGTTAGC TGTGGA

26

20 SEQ ID NO: 11:

SEQUENCE LENGTH: 36

STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

25 SEQUENCE DENCRIPTION: SEQ ID NO: 11:

CCGAATTCCA CCATGGTTAC CTTCAGCCAC GTCTCC

36

SEQ ID NO: 12:

SEQUENCE LENGTH: 35

30 STRANDEDNESS: single

TOPOLOGY: liner

MOLECULE TYPE: Other nucleic acid, synthetic DNA

SEQUENCE DENCRIPTION: SEQ ID NO: 12:

CCGGATCCTC AGATACAGAA GACAATTAGC ATCAG

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